

Title (en)
Plate treating apparatus using a caterpillar.

Title (de)
Vorrichtung zur Plattenbearbeitung unter Verwendung einer Raupenkette.

Title (fr)
Dispositif de traitement de plaques utilisant une chenille.

Publication
EP 0451346 B1 19950705 (EN)

Application
EP 90123216 A 19901204

Priority
JP 8208890 A 19900329

Abstract (en)
[origin: EP0451346A2] A method of circulating a heat transfer medium through a caterpillar (9) and a plate treating apparatus using the caterpillar. A rotary shaft (12) is arranged to transversely project into the caterpillar arranged in an article conveying direction. The caterpillar (9) is provided with a group of strip-shaped hot plates (8) disposed closely in parallel to each other, each hot plate (8) having an inlet and outlet of the heat transfer medium. A heat transfer medium passage is formed in each hot plate (8) to communicate the inlet and the outlet thereof. The rotary shaft (12) includes a heat transfer medium supplying portion (10) and a heat transfer medium discharging portion (11) separately formed therein from one end thereof to the other end. The heat transfer medium is sent from the supplying portion (10) of the rotary shaft (12) to the inlet of each hot plate (8) through a corresponding connecting tube (17), and then the medium is discharged from the outlet of the hot plate (8) to the discharging portion (11) through another connecting tube (17). The connecting tubes (17) are long enough to reach turning portions (16) of the caterpillar. The rotary shaft (12) and the caterpillar (9) are synchronously controlled in such a manner that the rotary shaft makes a revolution for a turn of the caterpillar.
<IMAGE>

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CN113059647A; AU684375B2; EP0864262A3; CN115366239A; EP0589113A1; CN111806045A; CN113071117A; US7841462B2; WO9535472A1; WO9407099A1; WO0116537A3

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